

# SHARP

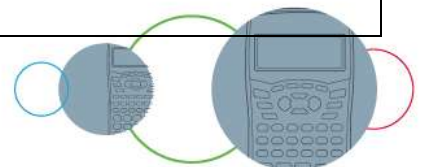
## Worksheet 13 Memorandum: Common Fractions

### Grade 8 Mathematics

1. a)  $2\frac{19}{25} = \frac{69}{25}$       b)  $1\frac{3}{7} = \frac{10}{7}$       c)  $2\frac{6}{9} = \frac{24}{9}$   
 d)  $3\frac{1}{3} = \frac{10}{3}$       e)  $1\frac{2}{5} = \frac{7}{5}$       f)  $8\frac{3}{4} = \frac{35}{4}$   
 g)  $9\frac{11}{12} = \frac{119}{12}$       h)  $7\frac{3}{8} = \frac{59}{8}$       i)  $4\frac{1}{6} = \frac{25}{6}$   
 j)  $3\frac{2}{6} = \frac{20}{6}$       k)  $4\frac{10}{12} = \frac{58}{12}$       l)  $7\frac{3}{10} = \frac{73}{10}$
2. a)  $\frac{18}{15} = 1\frac{1}{5}$       b)  $\frac{89}{7} = 12\frac{5}{7}$       c)  $\frac{27}{11} = 2\frac{5}{11}$   
 d)  $\frac{53}{5} = 10\frac{3}{5}$       e)  $\frac{44}{3} = 14\frac{2}{3}$       f)  $\frac{70}{30} = 2\frac{1}{3}$   
 g)  $\frac{61}{6} = 10\frac{1}{6}$       h)  $\frac{93}{7} = 13\frac{2}{7}$       i)  $\frac{60}{8} = 7\frac{1}{2}$   
 j)  $\frac{68}{3} = 22\frac{2}{3}$       k)  $\frac{328}{25} = 13\frac{3}{25}$       l)  $\frac{9933}{1000} = 9\frac{933}{1000}$
3. a)  $\frac{77}{22} = \frac{7}{2}$  or  $3\frac{1}{2}$       b)  $\frac{8}{4} = 2$       c)  $\frac{16}{24} = \frac{2}{3}$   
 d)  $\frac{81}{90} = \frac{9}{10}$       e)  $\frac{36}{42} = \frac{6}{7}$       f)  $\frac{45}{60} = \frac{3}{4}$   
 g)  $\frac{11}{121} = \frac{1}{11}$       h)  $\frac{30}{90} = \frac{1}{3}$       i)  $\frac{25}{100} = \frac{1}{4}$   
 j)  $\frac{21}{42} = \frac{1}{2}$       k)  $\frac{100}{250} = \frac{2}{5}$       l)  $\frac{93}{96} = \frac{31}{32}$

4.

Common Fraction in Simplest Form	Percentage	Decimal
$\frac{5}{3}$	166,67%	1.66 $\bar{6}$
$\frac{9}{10}$	90%	0,9
$\frac{1}{100}$	1%	0.01
$\frac{11}{12}$	91,67%	0,9166 $\bar{6}$
$\frac{3}{4}$	75%	0,75
$2\frac{1}{2}$	250%	2.5



$\frac{11}{40}$	27,5%	0,275
$\frac{21}{100}$	21%	0,21
$\frac{1}{8}$	12,5%	0.125

5. a)  $\frac{9}{10}$  of 8

$$= \frac{9}{10} \times \frac{8}{1}$$

$$= \frac{9}{5} \times \frac{4}{1}$$

$$= \frac{36}{5} \text{ or } 7\frac{1}{5}$$

b)  $\frac{6}{8}$  of 30

$$= \frac{6}{8} \times \frac{30}{1}$$

$$= \frac{3}{2} \times \frac{15}{1}$$

$$= \frac{45}{2} \text{ or } 22\frac{1}{2}$$

c)  $\frac{9}{8}$  of 64

$$= \frac{9}{8} \times \frac{64}{1}$$

$$= \frac{9}{1} \times \frac{8}{1}$$

$$= 72$$

d)  $\frac{1}{4}$  of 42

$$= \frac{1}{4} \times \frac{42}{1}$$

$$= \frac{1}{2} \times \frac{21}{1}$$

$$= \frac{21}{2} \text{ or } 10\frac{1}{2}$$

e)  $\frac{5}{9}$  of 19

$$= \frac{5}{9} \times \frac{19}{1}$$

$$= \frac{95}{9} \text{ or } 10\frac{5}{9}$$

f)  $\frac{1}{3}$  of  $\frac{4}{5}$

$$= \frac{1}{3} \times \frac{4}{5}$$

$$= \frac{4}{15}$$

g)  $\frac{2}{5}$  of  $\frac{1}{5}$

$$= \frac{2}{5} \times \frac{1}{5}$$

$$= \frac{2}{25}$$

h)  $\frac{4}{9}$  of  $\frac{1}{3}$

$$= \frac{4}{9} \times \frac{1}{3}$$

$$= \frac{4}{27}$$

i)  $\frac{3}{6}$  of 47

$$= \frac{3}{6} \times \frac{47}{1}$$

$$= \frac{141}{6} \text{ or } 23\frac{1}{2}$$

j)  $\frac{2}{7}$  of  $\frac{1}{6}$

$$= \frac{2}{7} \times \frac{1}{6}$$

$$= \frac{1}{7} \times \frac{1}{3}$$

$$= \frac{1}{21}$$

k)  $\frac{3}{8}$  of  $\frac{4}{9}$

$$= \frac{3}{8} \times \frac{4}{9}$$

$$= \frac{1}{2} \times \frac{1}{3}$$

$$= \frac{1}{6}$$

l)  $2\frac{1}{3}$  of 93

$$= \frac{7}{3} \times \frac{93}{1}$$

$$= \frac{7}{1} \times \frac{31}{1}$$

$$= 217$$

6. a)  $\frac{3}{6} + \frac{4}{5}$

$$= \frac{15}{30} + \frac{24}{30}$$

$$= \frac{39}{30}$$

$$= \frac{13}{10} \text{ or } 1\frac{3}{10}$$

b)  $9\frac{2}{7} - 2\frac{1}{2}$

$$= 9\frac{4}{14} - 2\frac{7}{14}$$

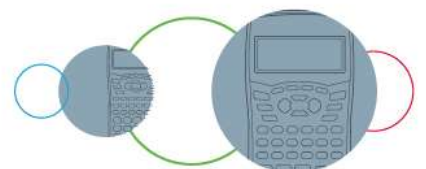
$$= 8\frac{18}{14} - 2\frac{7}{14}$$

$$= 6\frac{11}{14}$$

c)  $\frac{3}{7} \times \frac{1}{9}$

$$= \frac{1}{7} \times \frac{1}{3}$$

$$= \frac{1}{21}$$



$$\begin{aligned} \text{d)} \quad & 1\frac{9}{15} + 1\frac{2}{3} - 2\frac{3}{5} \\ & = 1\frac{9}{15} + 1\frac{10}{15} - 2\frac{9}{15} \\ & = 2\frac{19}{15} - 2\frac{9}{15} \\ & = \frac{10}{15} \text{ or } \frac{2}{3} \end{aligned}$$

$$\begin{aligned} \text{e)} \quad & 2\frac{1}{4} \times 5\frac{2}{3} \\ & = \frac{9}{4} \times \frac{17}{3} \\ & = \frac{3}{4} \times \frac{17}{1} \end{aligned}$$

$$\begin{aligned} \text{f)} \quad & 2\frac{2}{9} - 1\frac{1}{6} \\ & = 2\frac{4}{18} - 1\frac{3}{18} \\ & = 1\frac{1}{18} \end{aligned}$$

$$\begin{aligned} \text{g)} \quad & \frac{2}{7} + \frac{5}{8} - \frac{1}{4} \\ & = \frac{16}{56} + \frac{35}{56} - \frac{14}{56} \\ & = \frac{37}{56} \end{aligned}$$

$$\begin{aligned} \text{h)} \quad & 1\frac{3}{8} \times 1\frac{8}{11} \\ & = \frac{11}{8} \times \frac{19}{11} \\ & = \frac{1}{8} \times \frac{19}{1} \\ & = \frac{19}{8} \text{ or } 2\frac{3}{8} \end{aligned}$$

$$\begin{aligned} \text{i)} \quad & \frac{10}{9} + \frac{4}{3} - 1\frac{7}{18} \\ & = \frac{20}{18} + \frac{24}{18} - 1\frac{7}{18} \\ & = \frac{44}{18} - \frac{25}{18} \\ & = \frac{19}{18} \text{ or } 1\frac{1}{18} \end{aligned}$$

$$\begin{aligned} \text{j)} \quad & 9\frac{3}{4} \times \frac{12}{13} \\ & = \frac{39}{4} \times \frac{12}{13} \\ & = \frac{3}{1} \times \frac{3}{1} \\ & = 9 \end{aligned}$$

$$\begin{aligned} \text{k)} \quad & \frac{6}{8} + 2\frac{1}{16} - 2\frac{5}{8} \\ & = \frac{12}{16} + 2\frac{1}{16} - 2\frac{10}{16} \\ & = 2\frac{13}{16} - 2\frac{10}{16} \\ & = \frac{3}{16} \end{aligned}$$

$$\begin{aligned} \text{l)} \quad & 5\frac{4}{7} \times \frac{5}{3} \\ & = \frac{39}{7} \times \frac{5}{3} \\ & = \frac{13}{7} \times \frac{5}{1} \\ & = \frac{65}{7} \text{ or } 9\frac{2}{7} \end{aligned}$$

7. Divide the following and write your answer in simplest form:

$$\begin{aligned} \text{a)} \quad & 3 \div \frac{1}{2} \\ & = \frac{3}{1} \div \frac{1}{2} \\ & = \frac{3}{1} \times \frac{2}{1} \\ & = 6 \end{aligned}$$

$$\begin{aligned} \text{b)} \quad & 5 \div \frac{4}{7} \\ & = \frac{5}{1} \div \frac{4}{7} \\ & = \frac{5}{1} \times \frac{7}{4} \\ & = \frac{35}{4} \text{ or } 8\frac{3}{4} \end{aligned}$$

$$\begin{aligned} \text{c)} \quad & 9 \div \frac{4}{6} \\ & = \frac{9}{1} \div \frac{4}{6} \\ & = \frac{9}{1} \times \frac{6}{4} \\ & = \frac{54}{4} \text{ or } 13\frac{1}{2} \end{aligned}$$

$$\begin{aligned} \text{d)} \quad & 9 \div \frac{9}{10} \\ & = \frac{9}{1} \div \frac{9}{10} \\ & = \frac{9}{1} \times \frac{10}{9} \\ & = \frac{1}{1} \times \frac{10}{1} \\ & = 10 \end{aligned}$$

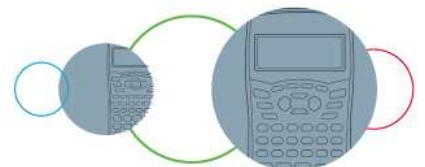
$$\begin{aligned} \text{e)} \quad & 8 \div \frac{4}{5} \\ & = \frac{8}{1} \div \frac{4}{5} \\ & = \frac{8}{1} \times \frac{5}{4} \\ & = \frac{2}{1} \times \frac{5}{1} \\ & = 10 \end{aligned}$$

$$\begin{aligned} \text{f)} \quad & \frac{1}{2} \div \frac{6}{7} \\ & = \frac{1}{2} \times \frac{7}{6} \\ & = \frac{7}{12} \end{aligned}$$

$$\begin{aligned} \text{g)} \quad & \frac{28}{32} \div \frac{7}{8} \\ & = \frac{28}{32} \times \frac{8}{7} \\ & = \frac{4}{4} \times \frac{1}{1} \\ & = 1 \end{aligned}$$

$$\begin{aligned} \text{h)} \quad & \frac{11}{7} \div \frac{121}{49} \\ & = \frac{11}{7} \times \frac{49}{121} \\ & = \frac{1}{1} \times \frac{7}{11} \\ & = \frac{7}{11} \end{aligned}$$

$$\begin{aligned} \text{i)} \quad & \frac{1}{5} \div \frac{3}{8} \\ & = \frac{1}{5} \times \frac{8}{3} \\ & = \frac{8}{15} \end{aligned}$$



$$\begin{aligned}
 \text{j)} \quad & \frac{5}{8} \div \frac{5}{6} \\
 & = \frac{5}{8} \times \frac{6}{5} \\
 & = \frac{1}{4} \times \frac{3}{1} \\
 & = \frac{3}{4}
 \end{aligned}$$

$$\begin{aligned}
 \text{k)} \quad & \frac{3}{7} \div \frac{9}{21} \\
 & = \frac{3}{7} \times \frac{21}{9} \\
 & = \frac{1}{1} \times \frac{3}{3} \\
 & = 1
 \end{aligned}$$

$$\begin{aligned}
 \text{l)} \quad & \frac{8}{17} \div \frac{32}{34} \\
 & = \frac{8}{17} \times \frac{34}{32} \\
 & = \frac{1}{1} \times \frac{2}{4} \\
 & = \frac{1}{2}
 \end{aligned}$$

$$\begin{aligned}
 8. \quad \text{a)} \quad & \sqrt{\frac{25}{64}} \\
 & = \frac{5}{8}
 \end{aligned}$$

$$\begin{aligned}
 \text{b)} \quad & \sqrt{\frac{36}{49}} \\
 & = \frac{6}{7}
 \end{aligned}$$

$$\begin{aligned}
 \text{c)} \quad & \left(\frac{1}{4}\right)^2 \\
 & = \frac{1}{16}
 \end{aligned}$$

$$\begin{aligned}
 \text{d)} \quad & \left(2\frac{1}{3}\right)^3 \\
 & = \left(\frac{7}{3}\right)^3 \\
 & = \frac{343}{27} \text{ or } 12\frac{19}{27}
 \end{aligned}$$

$$\begin{aligned}
 \text{e)} \quad & \left(2\frac{2}{3}\right)^2 \\
 & = \left(\frac{8}{3}\right)^2 \\
 & = \frac{64}{9} \text{ or } 9\frac{1}{9}
 \end{aligned}$$

$$\begin{aligned}
 \text{f)} \quad & \sqrt[3]{\frac{8}{27}} \\
 & = \frac{2}{3}
 \end{aligned}$$

$$\begin{aligned}
 \text{g)} \quad & \left(7\frac{1}{2}\right)^2 \\
 & = \left(\frac{15}{2}\right)^2 \\
 & = \frac{225}{4} \text{ or } 56\frac{1}{4}
 \end{aligned}$$

$$\begin{aligned}
 \text{h)} \quad & \sqrt{\frac{100}{121}} \\
 & = \frac{10}{11}
 \end{aligned}$$

$$\begin{aligned}
 \text{i)} \quad & \sqrt[3]{\frac{1}{125}} \\
 & = \frac{1}{5}
 \end{aligned}$$

$$\begin{aligned}
 \text{j)} \quad & \left(\frac{4}{5}\right)^3 \\
 & = \frac{64}{125}
 \end{aligned}$$

$$\begin{aligned}
 \text{k)} \quad & \left(\frac{1}{4}\right)^3 \\
 & = \frac{1}{64}
 \end{aligned}$$

$$\begin{aligned}
 \text{l)} \quad & \sqrt[3]{\frac{27}{64}} \\
 & = \frac{3}{4}
 \end{aligned}$$

$$\begin{aligned}
 9. \quad \text{a)} \quad & 92\% \text{ of } 180 \\
 & = \frac{92}{100} \times \frac{180}{1} \\
 & = \frac{92}{5} \times \frac{9}{1} \\
 & = \frac{828}{5} \text{ or } 165\frac{3}{5}
 \end{aligned}$$

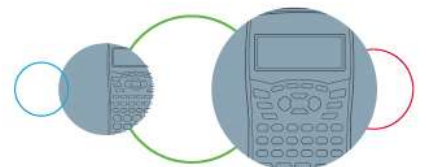
$$\begin{aligned}
 \text{b)} \quad & 45\% \text{ of } 40 \\
 & = \frac{45}{100} \times \frac{40}{1} \\
 & = \frac{9}{1} \times \frac{2}{1} \\
 & = 18
 \end{aligned}$$

$$\begin{aligned}
 \text{c)} \quad & 50\% \text{ of } 130 \\
 & = \frac{50}{100} \times \frac{130}{1} \\
 & = \frac{1}{1} \times \frac{65}{1} \\
 & = 65
 \end{aligned}$$

$$\begin{aligned}
 \text{d)} \quad & 25\% \text{ of } 80 \\
 & = \frac{25}{100} \times \frac{80}{1} \\
 & = \frac{1}{1} \times \frac{20}{1} \\
 & = 20
 \end{aligned}$$

$$\begin{aligned}
 \text{e)} \quad & 65\% \text{ of } 5 \\
 & = \frac{65}{100} \times \frac{5}{1} \\
 & = \frac{13}{4} \times \frac{1}{1} \\
 & = 3\frac{1}{4}
 \end{aligned}$$

$$\begin{aligned}
 \text{f)} \quad & 33\% \text{ of } 63 \\
 & = \frac{33}{100} \times \frac{63}{1} \\
 & = \frac{2079}{100} \text{ or } 20,79
 \end{aligned}$$



$$\begin{aligned}
 \text{g) } & 77\% \text{ of } 700 \\
 &= \frac{77}{100} \times \frac{700}{1} \\
 &= \frac{77}{1} \times \frac{7}{1} \\
 &= 539
 \end{aligned}$$

$$\begin{aligned}
 \text{h) } & 70\% \text{ of } 36 \\
 &= \frac{70}{100} \times \frac{36}{1} \\
 &= \frac{7}{5} \times \frac{18}{1} \\
 &= \frac{126}{5} \text{ or } 25\frac{1}{5}
 \end{aligned}$$

$$\begin{aligned}
 \text{i) } & 20\% \text{ of } 420 \\
 &= \frac{20}{100} \times \frac{420}{1} \\
 &= \frac{1}{5} \times \frac{84}{1} \\
 &= 84
 \end{aligned}$$

$$\begin{aligned}
 \text{j) } & 68\% \text{ of } 297 \\
 &= \frac{68}{100} \times \frac{297}{1} \\
 &= \frac{17}{25} \times \frac{297}{1} \\
 &= \frac{5049}{25} \text{ or } 201\frac{24}{25}
 \end{aligned}$$

$$\begin{aligned}
 \text{k) } & 120\% \text{ of } 2\,268 \\
 &= \frac{120}{100} \times \frac{2268}{1} \\
 &= \frac{6}{5} \times \frac{2268}{1} \\
 &= \frac{13608}{5} \text{ or } 2\,721\frac{3}{5}
 \end{aligned}$$

$$\begin{aligned}
 \text{l) } & 34\% \text{ of } 667 \\
 &= \frac{34}{100} \times \frac{667}{1} \\
 &= \frac{17}{50} \times \frac{667}{1} \\
 &= \frac{11339}{50} \text{ or } 226\frac{39}{50}
 \end{aligned}$$

$$\begin{aligned}
 10. \text{ a) } & 400 \text{ out of } 500 \\
 &= \frac{400}{500} \times 100 \\
 &= 80\%
 \end{aligned}$$

$$\begin{aligned}
 \text{b) } & 897 \text{ out of } 950 \\
 &= \frac{897}{950} \times 100 \\
 &= 94.42\%
 \end{aligned}$$

$$\begin{aligned}
 \text{c) } & 61 \text{ out of } 70 \\
 &= \frac{61}{70} \times 100 \\
 &= 87,14\%
 \end{aligned}$$

$$\begin{aligned}
 \text{d) } & 30 \text{ out of } 45 \\
 &= \frac{30}{45} \times 100 \\
 &= 66,67\%
 \end{aligned}$$

$$\begin{aligned}
 \text{e) } & 63 \text{ out of } 72 \\
 &= \frac{63}{72} \times 100 \\
 &= 87,5\%
 \end{aligned}$$

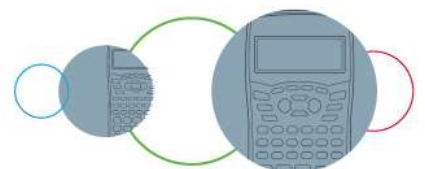
$$\begin{aligned}
 \text{f) } & 92 \text{ out of } 110 \\
 &= \frac{92}{110} \times 100 \\
 &= 83,64\%
 \end{aligned}$$

$$\begin{aligned}
 \text{g) } & 46 \text{ out of } 50 \\
 &= \frac{46}{50} \times 100 \\
 &= 92\%
 \end{aligned}$$

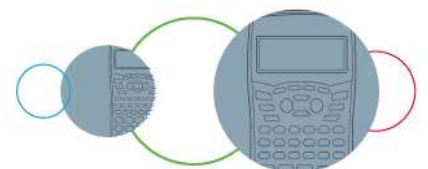
$$\begin{aligned}
 \text{h) } & 54 \text{ out of } 80 \\
 &= \frac{54}{80} \times 100 \\
 &= 67,5\%
 \end{aligned}$$

$$\begin{aligned}
 \text{i) } & 278 \text{ out of } 1\,500 \\
 &= \frac{278}{1500} \times 100 \\
 &= 18,53\%
 \end{aligned}$$

$$\begin{aligned}
 \text{j) } & 67 \text{ out of } 500 \\
 &= \frac{67}{500} \times 100 \\
 &= 13,4\%
 \end{aligned}$$



11. a) 63 to 72  
 $= \frac{72-63}{63} \times 100$   
 $= \frac{9}{63} \times 100$   
 $= \frac{1}{7} \times 100$   
 $= 14,29\% \text{ increase}$
- b) 24 to 48  
 $= \frac{48-24}{24} \times 100$   
 $= \frac{24}{24} \times 100$   
 $= 100\% \text{ increase}$
- c) 65 to 90  
 $= \frac{90-65}{65} \times 100$   
 $= \frac{25}{65} \times 100$   
 $= \frac{5}{13} \times 100$   
 $= 38,46\% \text{ increase}$
- d) 19 to 21  
 $= \frac{21-19}{19} \times 100$   
 $= \frac{2}{19} \times 100$   
 $= 10,53\% \text{ increase}$
- e) 29 to 42  
 $= \frac{42-29}{29} \times 100$   
 $= \frac{13}{29} \times 100$   
 $= 44,83\% \text{ increase}$
- f) 99 to 100  
 $= \frac{100-99}{99} \times 100$   
 $= \frac{1}{99} \times 100$   
 $= 1,01\% \text{ increase}$
- g) 75 to 100  
 $= \frac{100-75}{75} \times 100$   
 $= \frac{25}{75} \times 100$   
 $= \frac{1}{3} \times 100$   
 $= 33,33\% \text{ increase}$
- h) 64 to 108  
 $= \frac{108-64}{64} \times 100$   
 $= \frac{44}{64} \times 100$   
 $= \frac{11}{16} \times 100$   
 $= 68,75\% \text{ increase}$
- i) 32 to 36  
 $= \frac{36-32}{32} \times 100$   
 $= \frac{4}{32} \times 100$   
 $= \frac{1}{8} \times 100$   
 $= 12,5\% \text{ increase}$
- j) 90 to 86  
 $= \frac{90-86}{90} \times 100$   
 $= \frac{4}{90} \times 100$   
 $= \frac{2}{45} \times 100$   
 $= 4,44\% \text{ decrease}$
- k) 51 to 34  
 $= \frac{51-34}{51} \times 100$   
 $= \frac{17}{51} \times 100$   
 $= \frac{1}{3} \times 100$   
 $= 33,33\% \text{ decrease}$
- l) 64 to 56  
 $= \frac{64-56}{64} \times 100$   
 $= \frac{8}{64} \times 100$   
 $= \frac{1}{8} \times 100$   
 $= 12,5\% \text{ decrease}$
12. a) 390 increased by 15%  
 $= 448,5$
- b) 412 decreased by 20%  
 $= 329,6$
- c) 655 increased by 30%  
 $= 851,5$
- d) 980 decreased by 60%  
 $= 392$
- e) 1298 increased by 50%  
 $= 1\,947$
- f) 1\,349 decreased by 45%  
 $= 741,95$
- g) 492 increased by 11%  
 $= 546,12$
- h) 2\,890 decreased by 12%  
 $= 2\,543,2$



- i) 5 890 increased by 17%  
= 6 891,3
- j) 652 decreased by 92%  
= 52,16

13. a) Suzy, Georgia and Bernadette do a project together. Suzy does  $\frac{5}{18}$  of the project, Georgia does  $\frac{2}{9}$  of the project and Bernadette does  $\frac{1}{2}$  of the project.

- i) How much of the project still needs to be completed?

$$= \frac{18}{18} - \frac{5}{18} (\text{Suzy}) - \frac{4}{18} (\text{Georgia}) - \frac{9}{18} (\text{Bernadette})$$

$$= 0$$

- ii) Who do you think should do the last section of the project? Give a reason for your answer.

*There is no part of the project left to do.*

- b) Bob's bling and bits is having a sale. Items in Category A are marked down by 25% and items in Category B are marked down by 45%. Find the prices for each of these items:

Bling Necklace – original price = R195      Bling Ring – original price = R340

Bling Scarf – original price = R95      Earrings – original price = R120.

- i) if they are in category A

$$\text{Bling necklace} = 195 - 25\% = \text{R}146,25$$

$$\text{Bling Ring} = \text{R}340 - 25\% = \text{R}255$$

$$\text{Bling Scarf} = \text{R}95 - 25\% = \text{R}71,25$$

$$\text{Earrings} = \text{R}120 - 25\% = \text{R}90$$

- ii) if they are in category B.

$$\text{Bling necklace} = 195 - 45\% = \text{R}107,25$$

$$\text{Bling Ring} = \text{R}340 - 45\% = \text{R}187$$

$$\text{Bling Scarf} = \text{R}95 - 45\% = \text{R}52,25$$

$$\text{Earrings} = \text{R}120 - 45\% = \text{R}66$$

- c) Sipho buys a car for R169 000. He pays a deposit of 15% and then makes monthly installments of 1% of the leftover amount for 9 years.

- i) What amount must Sipho pay for the deposit?

$$\text{R}169\,000 \times 15\% = \text{R}25\,350$$

- ii) What is the monthly payment that Sipho makes?

$$\text{R}169\,000 - 25\,350 = \text{R}143\,650$$

$$\text{Monthly instalments} = \text{R}1\,436,50$$

- iii) How much does Sipho pay in total for the car?

$$= \text{R}1\,436,50 \times 9 \times 12 + \text{R}25\,350 = \text{R}180\,492.$$

