

Year 7 Procedural Revision. - Answers

1. Write the following numbers in words
 a) 264 – **Two hundred and sixty four**
 b) 3804 – **Three thousand, eight hundred and four**
 c) 38080 – **Thirty eight thousand and eighty**

2. Write the following words in numbers
 a) Six hundred and four **604**
 b) One hundred and thirty five **135**
 c) Six thousand, four hundred and thirty five. **6435**

3. Fill in the missing number

- a) $35 + 182 = 217$ b) $4836 - 198 = 4638$ c) $3862 - 1153 = 2709$
 d) $568 + 2311 = 2879$ e) $3 \times 9 = 27$ f) $72 \div 8 = 9$
 g) $5 \times 6 = 30$ h) $28 \div 7 = 4$

4. Find the value of

- a) $5^2 = 25$ b) $8^2 = 64$ c) $12^2 = 144$ d) $\sqrt{36} = 6$ e) $\sqrt{81} = 9$ f) $\sqrt{49} = 7$

5. Fill in the table below

Fraction	Percentage	Decimal
$\frac{1}{2}$	50%	0.5
$\frac{1}{4}$	25%	0.25
$\frac{1}{10}$	10%	0.1
$\frac{1}{5}$	20%	0.20
$\frac{2}{5}$	40%	0.40
$\frac{3}{10}$	30%	0.3
$\frac{3}{4}$	75%	0.75

6. Place the following fractions in order of size, smallest first

$\frac{1}{2}$ $\frac{3}{4}$ $\frac{1}{10}$ $\frac{1}{5}$ $\frac{3}{10}$
 $\frac{1}{10}$ $\frac{1}{5}$ $\frac{3}{10}$ $\frac{1}{2}$ $\frac{3}{4}$

7. Find

- a) 10% of 320 **32** b) 20% of 320 **64** c) **30%** of 320 = 96
 d) 1% of 560kg **5.6kg** e) 6% of 560kg **33.6kg**

8. a) Share 60 sweets in the ratio of 1 : 4 **12, 48** b) Share £150 in the ratio of 2 : 3 **60, 90**
 c) Tim shared 50 pens between himself and his friend Tom in the ratio of 4: 1. How many pens will each boy receive? **Tim = 40 pens, Tom = 10 pens**

- 9.

- a) $0.33 + 8.2 = 8.53$ b) $78.33 - 38.2 = 40.13$ c) $0.3 \times 2 = 0.6$

- d) $8 \times 0.2 = 1.6$ e) $64 \div 0.8 = 80$ f) $39 \div 0.3 = 130$

10. Estimate the total of the following lengths

1.95m, 3.75m, 1.2m, 7.05m

$$2 + 4 + 1 + 7 = 14\text{m}$$

11. Round the following values correct to 1 decimal place.

a) 83.23 **83.2** b) 3.78 **3.8** c) 0.372 **0.4** d) 0.999 **1.0**

Round the following values correct to 2 decimal places.

a) 12.736 **12.74** b) 43.781 **43.78** c) 80.372 **80.37** d) 0.999 **1.00**

Round the following values correct to 3 decimal places.

a) 12.4764 **12.476** b) 83.7850 **83.785** c) 290.3728 **290.373** d) 0.9999 **1.000**

12. Round the following to the nearest *penny*

a) £38.876 **£38.88** b) £198.820 **£198.82** c) £99.999 **£100.00**

13. Round the following to the nearest *tenth* of a second

a) 3.928 seconds **3.9s** b) 7.952 seconds **8.0s** c) 87.975 seconds **88s**

14. Round the following to the nearest *hundredth* of a second

a) 3.928 seconds **3.93s** b) 7.952 seconds **7.95s** c) 87.975 seconds **87.98s**

15. a) Write down all of the multiples of 4 between 20 and 40 **20,24,28,32,36,40**

b) Write down all of the multiples of 9 between 60 and 120 **63,72,81,108,117**

c) Write down all of the multiples of 12 between 50 and 150 **60, 72,84,96, 108, 120, 132, 144**

16. a) Write down all of the factors of 20 **1, 2, 4, 5, 10, 20**

b) Write down all of the factors of 36 **1, 2, 3, 4, 6, 9, 12, 18, 36**

c) Write down all of the factors of 56 **1, 2, 4, 7, 8, 14, 28, 56**

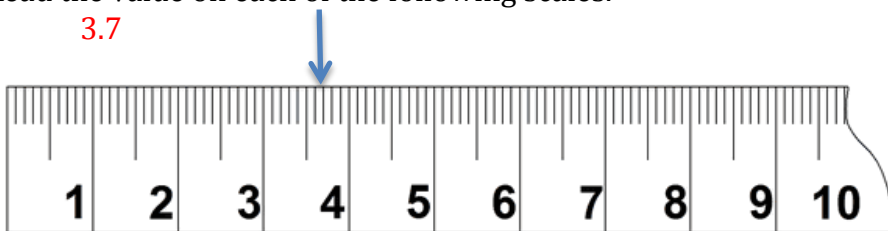
17. a) Find the value of $3 + 3 \times 5$ **18**

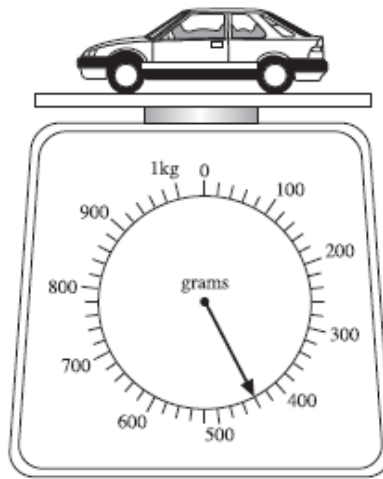
b) Find the value of $5 - 4 + 6 \times 5$ **31**

c) Find the value of $3 \times 6 + 7 \times 4$ **46**

18. Read the value on each of the following scales.

3.7





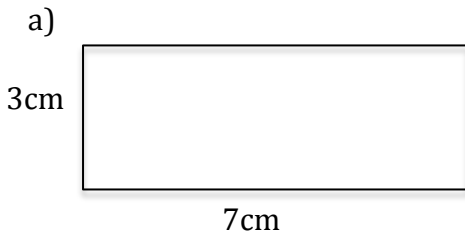
The toy car weighs g.

440g

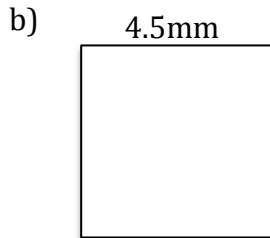
19. Convert the following measurements into the units in brackets.

- a) 37cm (mm) **370mm** b) 4976m (km) **4.976km** c) 398g (mg) **3980mg** d) 29mm (cm) **2.9cm**
 e) 4.5L (ml) **4500ml** f) 8kg (g) **8000g** g) 1872m (km) **1.872km** h) 7.9m (cm) **790cm**

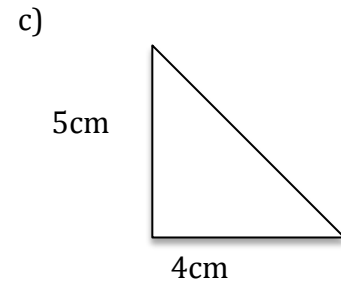
20. Find the perimeter and area of each of the following shapes (a and b) and area of c and d clearly stating the units of your answer.



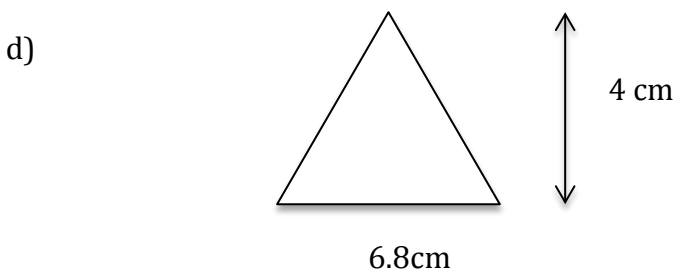
a) $P = 20\text{cm}$
 $A = 21\text{cm}^2$



b) $P = 18\text{mm}$
 $A = 20.25\text{mm}^2$



c) $A = 10\text{cm}^2$
 d) $A = 13.6\text{cm}^2$



21. Find the mean, median, mode and range of
 2, 5, 7, 5, 6, 5, 5

Mean = 5, Median = 5, Mode = 5 Range = 5

22. Complete the table for a.m, p.m. and 24-hour clock times.

a.m/p.m	9:30 a.m.	6:15am	4:20 p.m.	11:45am	8:10 a.m.	9:30pm	7:15 p.m.	2:40pm
24-hour clock	0930	0615	1620	1145	0810	2130	1930	1440

Write down the amount of time between:

- a) 8:30a.m. and 9:15 a.m. **45mins** b) 11:30 a.m. and 1:35 p.m. **2hrs 5 mins**
c) 10:17 a.m. and 5:49 p.m. **7hrs 32 mins** d) 0615 and 1100 **4hrs 45mins**
e) 1430 and 1700 **2hrs 30mins** f) 1617 and 2003 **3hrs 46mins**