

Calculator

The answers to all the questions are below. To make it a little more challenging, no units are given, and the answers are in the wrong order :-)

| <u>9</u> 55 | 104 | 576 | 200 | |
|------------------|----------|------|-------|--|
| 44 | 2 & 5 | 450 | 31 | |
| 28 : 42 | 32 55 | 2.5 | 480 | |
| 102 | 0.6 | 320 | 0.375 | |
| $2\frac{11}{20}$ | 10.39 | 14 3 | 7500 | |

1. The table gives information about the total number of orders for a new jacket, each month, received by a clothing store.

| Month | Jan | Feb | March | April | May | June |
|--------|-----|-----|-------|-------|-----|------|
| Orders | 29 | 32 | 54 | 45 | 88 | 27 |

275

An order is chosen at random. Workout the probability that the order was received in:

(a) April
$$=\frac{9}{55}$$

(b) April or May or June
$$4\Gamma + 88 + 17$$
 $= \frac{32}{135}$

Give your answer to (a) and (b) in its simplest form.

2. Convert
$$450\ 000\ cm^3$$
 into litres

3. Divide £70 in the ratio 2:3

 $450.2000 = 450\ 20$; then

 $28:41$

www.3minutemaths.co.uk

Quick Test 4F Which Answer?

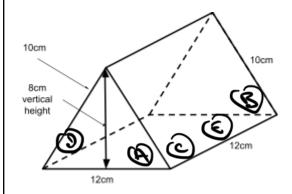


Calculator

4. A 200g box of Super Duper chocolates costs £4.50. A 175g box of Super Duper chocolates costs £4.20. Which box is better value for money?

5. An electrical cable is wrapped around a plastic circular drum 200 times. The drum has a radius of 3.5cm. Work out the length of the electrical cable. Give your answer in metres, correct to 3 significant figures.

6. (a) Find the volume of the triangular prism



(b) Find the surface area of the triangle prism

100 me = Ano x Depot = = = (6xh) x 8 = = = (12x8) x 12 = 576 cm²

(2) = 1 (1x1) = 2 (1x1) =

 $\theta \nu$

01240

= (10

= 120

(E) 1/+12

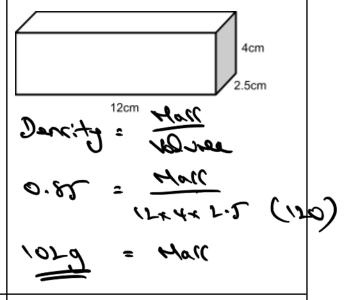
480 cm



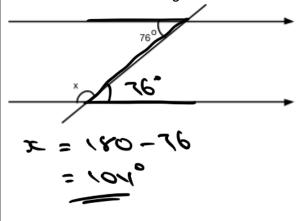
Calculator

7. A block of iron exerts a force of 800N on the floor. The base of the block of iron is 2.5m². Work out the pressure exerted on the floor. Give your answer in N/m².

= 370 W/W = 370 = 800 = 370 = 200 = 370 8. A solid cuboid is made of wood. The wood has a density of 0.85g/cm³. Work out the mass of the cuboid.



9. Work out the size of angle x.



10. The distance from Leeds to Whitby is 75 miles. Simon took 2 hours and 25 minutes to complete the journey. Calculate Simon's average speed to the nearest whole number.

58000 = Time = 75 = 31.0344 = 31 upl.

11. Write $\frac{3}{8}$ as a decimal

12. Work out $\sqrt{5.3 + \tan 42^{\circ}}$ Give your answer correct to 1 decimal place.

2.49006 2.5 (18g)



Calculator

13. The number 45 can be written as 3° x b, where a and b are prime numbers. Find the value of a and b.

14. Work out
$$3\frac{4}{5} - 1\frac{1}{4}$$

$$3\frac{16}{18} - 1\frac{1}{4}$$

$$2\frac{11}{18}$$

15. Work out an estimate for the value of

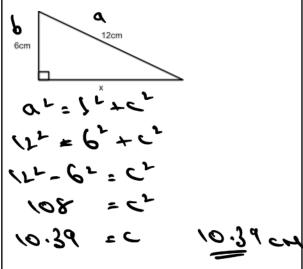
15. Work out an estimate for the value of
$$\frac{322 \times 4.87}{0.181} = \frac{300 \times 5}{0.2}$$

$$= 1500 \times 0$$

$$= 15000$$

$$= 15000$$

16. Calculate the length of side x in the right angled triangle shown.



17. Convert $60mm^2$ into cm^2

18. Solve
$$\frac{3x+10}{8} = 8$$

3 \(\text{\$\frac{3}{8}\$} = \frac{3}{4} = \frac{1}{3} = \frac{1}{4} = \frac{1}{4} = \frac{1}{6} = \fracallen = \frac{1}{6} = \fracallen = \frac{1}{6} = \frac{1}{6} = \f