

Maths Answers

Monday:

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A

- | | | |
|----------------|-----------------|-------------|
| 1 a) 8 | 3 a) 6 | 5 20 |
| b) 20 | b) 25 | 6 12 |
| 2 a) 18 | 4 a) 180 | 7 5 |
| b) 60 | b) 340 | 8 21 |

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B

- | | |
|-------------------------|--------------------------|
| 1 48 | 8 a) 9, 12 |
| 2 24 | b) 80p, 40p |
| 3 35 | c) 400 ml, 600 ml |
| 4 24 | d) 16, 20 |
| 5 18 mins. | e) £15, £75 |
| 6 14 | f) 300 g, 180 g |
| 7 30 £10, 50 £20 | |

C

- | | |
|---------------------------------------|--------------------------------------|
| 1 42 cm × 28 cm | 8 a) 72 cm, 60 cm |
| 2 36 | b) £20, £45 |
| 3 40 | c) 4 h 40 mins., 1 h 20 mins. |
| 4 a) 16 b) 64 | d) 250 g, 750 g, 1 kg |
| 5 a) 12 b) 30 | e) £1.62, £1.08, £2.70 |
| 6 9 large, 12 small | f) 250 ml, 50 ml, 450 ml |
| 7 30 mins., 45 mins., 45 mins. | |

Tues and Weds – see separate PDFs on class 6 page

Thursday:

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A

- | | |
|-----------------------------|----------------|
| 1 a) $\frac{1}{6}$ | 5 a) 96 |
| b) $\frac{5}{6}$ | b) 64 |
| 2 a) 20% | 6 15 |
| b) 80% | 7 45 |
| 3 Rex $\frac{5}{12}$ | |
| Rover $\frac{7}{12}$ | |
| 4 a) 75% | |
| b) 25% | |
| 8 a) 50 g butter | 1 egg |
| 60 g chocolate | 40 g sugar |
| 30 g flour | 80 g nuts |
| b) 300 g butter | 6 eggs |
| 360 g chocolate | 240 g sugar |
| 180 g flour | 480 g nuts |

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B

- | | | |
|-------------------|--------------------|-----------------------|
| 1 a) £1.20 | 4 a) 250 | 7 a) 240 ml |
| b) £24 | b) 700 | b) 1.52 litres |
| 2 a) 75p | 5 a) 2.4 kg | 8 a) £1.40 |
| b) £2.50 | b) 12.8 kg | b) £4 |
| 3 a) 6 | 6 a) 160 km | 9 a) £4.20 |
| b) 240 | b) 900 km | b) £2.45 |

C

- | | |
|------------------------------|--------------------------|
| 1 a) £30.40 | 3 a) 33.6 m |
| b) £83.60 | b) 720 m |
| 2 a) 12 mins. 30 sec. | 4 a) 48p |
| b) 47 mins. 30 sec. | b) £3.60 |
| 5 a) 3.6 litres | 7 a) 14.5 dollars |
| b) 16 litres | b) 43 500 dollars |
| 6 a) 5.5 kg | 8 a) 180 m |
| b) 137.5 kg | b) 7.65 km |

EX: Hot Proportion Answers

Crumble

R

- | Proportion | Ratio |
|--|--------------|
| 1) butter = $\frac{1}{6}$ | 4) B:S = 1:2 |
| 2) brown sugar = $\frac{2}{6} = \frac{1}{3}$ | 5) F:B = 3:1 |
| 3) flour = $\frac{3}{6} = \frac{1}{2}$ | 6) S:F = 2:3 |
| | 7) B:F = 1:3 |

Oat crunchies

- | Proportion | Ratio |
|----------------------------------|---------------------|
| 8) whole oats = $\frac{1}{6}$ | 12) S:M = 3:4 |
| 9) porridge oats = $\frac{1}{4}$ | 13) W:P = 2:3 |
| 10) margarine = $\frac{1}{3}$ | 14) P:M = 3:4 |
| 11) brown sugar = $\frac{1}{4}$ | 15) S:P = 3:3 = 1:1 |

Baked apple pudding

- | Proportion | Ratio |
|---|--|
| 16) apples = $\frac{9}{14}$ | 20) B:A = 2:9 |
| 17) butter = $\frac{2}{14} = \frac{1}{7}$ | 21) BS:CS = 2:2 $\frac{1:2}{1:1}$ |
| 18) caster sugar = $\frac{2}{14} = \frac{1}{7}$ | 22) CS:A = 2:9 |
| 19) brown sugar = $\frac{1}{14}$ | 23) A:BS = 9:1 |

24) Butter for crumble to serve 12 =

$$75g \times 2 = \underline{150g} \text{ butter}$$

25) Brown sugar to make 8 oat crunchies =

$$75g \div 3 = 25g \quad 25g \times 2 = \underline{50g} \text{ brown sugar}$$

26) Butter to make baked apple pudding for 6 =

$$100g \times 0.5 = 50g \quad 100g + 50g = \underline{150g} \text{ butter}$$

27) 500g in ratio 2:3 = 200g:300g

28) 400g in ratio 3:5 = 150g:250g

29) 640g in ratio 7:9 = 280g:360g

30) 480g in ratio 2:3:7 = 80g:120g:280g

31) 1200g in ratio 1:4:7 = 100g:400g:700g

32) 3.2kg in ratio 3:5:8 = 600g:1000g:1600g

(3200g)

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A

1 4:3

4 a) 24 b) 32

7 14

2 $\frac{4}{7}$

5 46 km

8 600

3 15

4 14

9 45

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B

1 148 m

4 2.5 kg

2 135 g

5 225

3 a) £5.25 b) 20

6 a) 52 b) 168

7 a) £5.60 b) £19.20

8 a) 12 500 b) £10 461

C

1 a) 25 b) 45 c) 30

5 1500

2 a) 144 b) 180 c) 96

6 a) £7.68 b) £2.64

3 329

7 a) 30 km b) 12.5 km

4 46

8 a) 62.5 g b) 600 g