

ELEVEN PLUS MATHS TEST Answer Booklet

Q1.

a) 22.25

Explanation = $19.04 + 3.21 = 22.25$

b) 9432

Explanation = $521 + 8911 = 9432$

Q2.

a) 3360

Explanation = $3791 - 431 = 3360$

b) 45.01

Explanation = $74.07 - 29.06 = 45.01$

Q3.

a) 10,540

Explanation = $310 \times 34 = 10,540$

b) 92.4

Explanation = $22 \times 4.2 = 92.4$

Q4.

a) 37

Explanation = $111 \div 3 = 37$

b) 5

Explanation = $12 \div 2.4 = 5$

Q5.

a) 2

Explanation = $95 + 328 = 423$

b) 3

Explanation = $0.83 - 0.39 = 0.44$

c) 5

Explanation = $32 \times 359 = 11,488$

d) 2

Explanation = $784 - 462 = 322$

e) 2

Explanation = $6.2 \div 0.2 = 31$

f) 5

Explanation = $45 - 73 = -28$

Q6.

a) £2.20

Explanation =

$0.65 \times 10 = £6.50$

$0.25 \times 25 = £6.25$

$0.35 \times 8 = £2.80$

$0.45 \times 5 = £2.25$

$6.50 + 6.25 + 2.80 + 2.25 = £17.80$

$£20.00 - 17.80 = £2.20$

b) £62.55

Explanation =

$$0.65 \times 24 = \text{£}15.60$$

$$0.25 \times 52 = \text{£}13.00$$

$$0.35 \times 52 = \text{£}18.20$$

$$0.45 \times 35 = \text{£}15.75$$

$$15.60 + 13.00 + 18.20 + 15.75 = 62.55$$

c) 13

$$\text{Explanation} = 6.20 \div 0.45 = 13.78$$

Q7.

a) 9 hours and 15 minutes

$$\text{Explanation} = 10:25 \rightarrow 7:40 = 9 \text{ hours } 15 \text{ minutes}$$

b) 21:40

$$\text{Explanation} = 10:25 - 45 \text{ minutes} = 9:40$$

Q8.

a) 0/6

b) 6/6 or 1

Q9.

a) 1.319kg

$$\text{Explanation} = 1 \text{ kg} = 1000\text{g}$$

b) 109.1cm

$$\text{Explanation} = 1 \text{ cm} = 10\text{mm}$$

c) 87.15cm

$$\text{Explanation} = 7\text{cm} + 0.15\text{cm} + 80\text{cm} = 87.15\text{cm}$$

$$1 \text{ cm} = 10\text{mm}$$

$$1\text{m} = 100\text{cm}$$

d) 340ml

$$\text{Explanation} = 1 \text{ litre} = 100\text{ml}$$

e) 3600mm²

Explanation = $1\text{cm}^2 = 100\text{mm}^2$

Q10.

a) 78

Explanation = $81 + 75 + 71 + 83 + 90 + 68 = 468$

$468 \div 6 = 78$

b) 22

Explanation = $90 - 68 = 20$

c) Yes

$468 + 72 + 76 = 616$

$616 \div 8 = 77$

Q11.

a) 144

Explanation = $9 \times 16 = 144$

b) 84

Explanation = $12 + 40 = 32 = 84$

c) 67

Explanation = $9 \times 7 + 4 = 67$

d) 134

Explanation = $9 \times 13 + 17 = 134$

Q12.

a) £467.50

Explanation =

$550 \div 100 = 5.5$

$5.5 \times 15 = 82.5$

$550 - 82.5 = 467.5$

b) £151.05

Explanation =

$$159 \div 100 = 1.59$$

$$1.59 \times 5 = 7.95$$

$$159 - 7.95 = 151.05$$

Q13.

a) 37

$$\text{Explanation} = 7 \times 5 + 2 = 37$$

b) 12

$$\text{Explanation} = 12 \times 5 + 2 = 62$$

c) x 7 - 3

Explanation =

$$4 \times 7 - 3 = 25$$

$$5 \times 7 - 3 = 32$$

d) 130

$$\text{Explanation} = 19 \times 7 - 3 = 130$$

Q14.

a) 32

$$\text{Explanation} = 11 + 5 + 11 + 5 = 32$$

b) 5

$$\text{Explanation} = 55 \div 11 = 5$$

c) 32

$$32 \text{ Explanation} = 8 \times 4 = 32$$

d) 24

$$24 \text{ Explanation} = 8 + 4 + 8 + 4 = 24$$

e) 30

Explanation = $6 + 9 + 6 + 9 = 30$

f) 6

Explanation = $54 \div 9 = 6$

Q15.

a) 40

Explanation = $16 + 5 + 1 + 18 = 40$

b)

1. LAMP

2. FELT

3. DOOR

Explanation =

LAMP = $12 + 1 + 13 + 16 = 42$

FELT = $6 + 5 + 12 + 20 = 43$

DOOR = $4 + 15 + 15 + 18 = 52$

c) 252

Explanation = $4 \times 9 \times 7 = 252$

d)

1. BIG

2. VAN

3. RED

Explanation =

BIG $2 \times 9 \times 7 = 126$

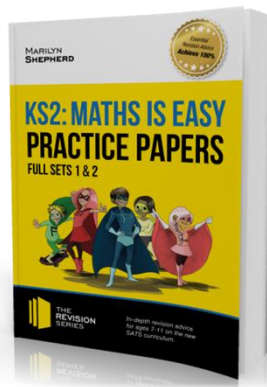
VAN $22 \times 1 \times 14 = 308$

RED $18 \times 5 \times 4 = 360$

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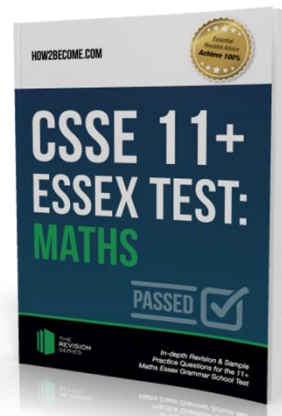
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