

11A

1 a \$240 : \$300

b 0.85 m : 2.55 m : 5.1 m

c 0.18 kg : 0.27 kg : 0.36 kg d 48 min : 80 min : 112 min

2 240 kg

3 12 cm, 18 cm, 27 cm

4 30, 75, 120

5 \$7

6 42%

11B-11C

1 a

| | | | |
|-----|----|-----|-----|
| x | 5 | 35 | 0.8 |
| y | 20 | 140 | 3.2 |

b

| | | | |
|-----|-----|-----|-----|
| x | 0.3 | 1.2 | 8.4 |
| y | 1.5 | 6 | 42 |

2 \$2.85

3 a 625 g b 30 g

4

| | | | |
|-----|----|----|----|
| x | 3 | 5 | 8 |
| y | 12 | 20 | 32 |

a 4 b Students' graphs c Yes
d 4 e $y = 4x$ f 36 g 18

5 $a = 70.40, b = 102.27$

6 a \$283.69 b R\$4117.20

11D

1 a Direct b Inverse c Inverse

2 a 35 hours b 4.375 hours

3 a 18 hours b 2.4 hours

4 128

5 4

6 a

| | | | |
|-----|----|------|----|
| x | 30 | 20 | 10 |
| y | 7 | 10.5 | 21 |

b $xy = 210$ (or equivalent)