

SOUT 2nd Level Maths & Numeracy

P7 ANSWER SHEETS

week beginning 04.05.20

| | |
|-----------------|---------------------------------|
| Negative Number | CORE: TJ2b ch8 |
| | CHALLENGE: TJ3a ch4 |
| Angles | CORE: TJ2b ch5 |
| | CHALLENGE: TJ3a ch3 |
| Extension | Arithmetic by Design Activity 8 |

Numeracy: Negative Number - CORE

TJ2b chapter 8

Answers to Chapter 8

Exercise 1

1. a -8°C b -16°C c -13°C
2. a $-\text{£}2$ b $-\text{£}305$ c $-\text{£}2.20$ d $\text{£}737$

Exercise 2

1. a 20°C b 19°C c 29°C
 d 6°C e 10°C f 4°C
 g -10°C h 8°C i -7°C
 j -15°C k 5°C l -23°C
2. -12°C
3. 48°C
4. a -19 -7 -3 0 7 9
 b -38 -31 -18 -10 -1 1

Exercise 3

1. a 16 b 20 c 30 d 2
 e 1 f 1 g -3 h -8
 i -17 j 13 k 0 l 18
 m -3 n -8 o -13 p -19
 q -20 r -18 s -8 t -5
2. a 7 b -2 c -1
 d -5 e 1 f -19
 g -40 h -1200 i -10
 j -1 k 0 l 40

Revision Exercise

1. -95°C
2. $\text{£}1231$
3. $\text{£}25$
4. a 4 b 0 c 10 d 9
 e -30 f -22 g 2 h -205
 i -9 j -33 k -9 l -5
 m -2 n -30 o 8 p 3
 q -300 r -334 s -490 t -600
5. 40°C
6. 64°C
7. a 0 b 2 c -2
 d 0 e -2 f 4 g -3
 h -1 i -80 j 4 k 5
 l -1 m -15 n 0 o -3
 p -3 q -5 r 98 s 14
 t 45 u 110

Numeracy: Negative Number - CHALLENGE

TJ3a chapter 4

Chapter 4

1. a -3°C b -12°C c -12°C d -70°C
2. a He had £375 in his account
b He was overdrawn by £400
c +£33 d -£5 e -£50
3. a (i) +1966 (ii) +312 (iii) -21 (iv) -729
b 55 or 56 dependant on his birthday
c 81 or 82 dependant on his birthday
d 35 A.D. (or 36 A.D.)
e 9 or 10 B.C.
4. a (i) +100 (ii) -100 (iii) 0 (iv) 150
(v) -200 (vi) 225 (vii) -25 (viii) -175
(ix) 275
b (i) 100 (ii) 25 (iii) 50 (iv) 75
(v) 50 (vi) 250 (vii) 200 (viii) 125
(ix) 300 (x) 450
5. a 14°C b 23°C c 32°C d 12°C
e 0°C f 5°C g -16°C h 7°C
i -3°C j -42°C k -20°C l -60°C
m -7°C n -5°C
6. a 4°C up b 14°C down
c 40°C down d 25°C up
e 17°C down f 7°C up
g -17°C down h 22°C down
i 41°C up j 70°C down
7. 19°C
8. a 15°C b -5°C c -25°C d -75°C
9. -75°C

Maths: Angles - CORE

TJ2b chapter 5

Answers to Chapter 5

Consolidation

1. a right b obtuse c acute
d reflex e straight f obtuse
2. a 56° 4° 79° 61° b 129° 94° 172° 166°
c 90° d 180° e 186° 299°
3. a $\angle MPT$ 75° b $\angle URW$ 130°
4. Check Drawings
5. a 90° b 225° c 135° d 315°

Exercise 1 Check Drawings

Exercise 2 Check Drawings

Exercise 3 Check Drawings

Exercise 4

1. a 10° b 17° c 140° d 52°
e 146° f 105° g 200° h 60°

Revision Exercise

1. a acute b obtuse c reflex

2.



3. acute, reflex

4. e.g.



5. $\angle BYC = 140^\circ$
6. Check Drawing
7. Check Drawing

Maths: Angles - CHALLENGE

TJ3a chapter 3

Chapter 3 - Exercise 1 (page 23)

1. a 60 b 20 c 50 d 55
 e 65 f 15 g 48 h 59
2. a 30° b 80° c 2° d 79°
 e 71° f 17° g 81.5° h 37.5°
3. 45°
4. a 133 b 63 c 129 d 144
 e 58 f 90 g 36 h 60
 i 60 j 45 k 30
5. a 80° b 155° c 43° d 4°
 e 179° f 69° g 0.5° h 92.5°
6. 90°
7. a 7° b 97°
8. a 360 b 360
9. a 240° b 120°
10. a 150° b 108°

Chapter 3 - Exercise 2 (page 25)

1. a 110° b 160° c 90° d 140°
 e 135° f 90° g 90° h 66°
 i 108° j 128° k 90° l 50°
2. various

Problem Solving: Negative Number extension

