

Workout

Question 1: 2, 3, 5, 7, 11, 13, 17, 19, 23, 29

Question 2:

- (a) **prime**
- (b) **not prime**
- (c) **not prime**
- (d) **prime**
- (e) **prime**
- (f) **not prime**
- (g) **prime**
- (h) **not prime**
- (i) **not prime**
- (j) **not prime**
- (k) **prime**
- (l) **not prime**
- (m) **not prime**
- (n) **prime**
- (o) **not prime**
- (p) **not prime**
- (q) **not prime**
- (r) **not prime**

Question 3:

- (a) 2
- (b) 17, 19 or 101 (just one needed)
- (c) 2
- (d) 101
- (e) 1, 9, 27, 55, 81, 99 or 100 (just 3 needed)

Apply

Question 1: 2 is an even prime number

Question 2:

- (a) Not prime (divisible by 2, 3, 5, 9, 10 etc)
- (b) Not prime (divisible by 2, 3 etc)
- (c) Not prime (divisible by 5)
- (d) Not prime (divisible by 3, 9 etc)
- (e) Prime
- (f) Not prime (divisible by 11, 7 etc)

Question 3: 2, 7 and 31

Question 4: 3, 5 and 11

Question 5 (here are some possible answers)

- 4: $2 + 2$
- 6: $3 + 3$
- 8: $3 + 5$
- 10: $3 + 7$
- 12: $5 + 7$
- 14: $3 + 11$
- 16: $3 + 13$
- 18: $5 + 13$
- 20: $7 + 13$
- 22: $5 + 17$
- 24: $5 + 19$
- 26: $3 + 23$
- 28: $5 + 23$
- 30: $7 + 23$
- 32: $3 + 29$
- 34: $3 + 31$
- 36: $5 + 31$
- 38: $7 + 31$
- 40: $11 + 29$
- 42: $5 + 37$
- 44: $3 + 41$
- 46: $5 + 41$
- 48: $7 + 41$
- 50: $7 + 43$