

Student Name: _____

Date: _____

NS4.1

1. Express 1800 as a product of its prime factors.

11. $3\frac{1}{4} \div 1\frac{3}{5}$

2. Estimate the value of

$$\sqrt{13}$$

to the nearest whole number.

12. Lemons costs \$6.45 /kg. How much would 4.6 kg cost (to the nearest cent)?

3. Find the first fibonacci number greater than 27.

13. $905 \div 0.05 =$

4. Evaluate $249 \div 37$

Give the remainder as a fraction in its simplest form.

14. Write $\frac{1}{6}$ as a percentage.

Give your answer to the nearest percentage if necessary.

NS4.2

5. $-18 + (-7) - (-15) =$

15. Write 2.116 as a percentage (to the nearest whole percent).

6. $-6 \times (-2) \div 2 =$

16. Find $\frac{8}{9}$ of \$450.

NS4.3

7. Find the HCF of 28 and 18.

17. Increase \$750 by 1%.

8. Find the LCM of 9 and 12.

18. Write the ratio 0.5 : 1 in the simplest form.

9. $3\frac{1}{5} - 1\frac{1}{2}$

19. Hale and Pace divide \$540 in the ratio 1:8. How much does Pace receive?

10. $5\frac{3}{4} \times 1\frac{5}{6}$

20. Find the average speed in km/h when 30 km is travelled in 10 minutes.



NUMBER SKILLS
Stage 4 - Diagnostic Test Answers

Student Name:

Date:

Answers

1. $2^3 \times 3^2 \times 5^2$

11. $2\frac{1}{32}$

2. 4

12. \$29.67

3. 34

13. 18 100

4. $6\frac{27}{37}$

14. 17%

5. -10

15. 212%

6. 6

16. \$400

7. 2

17. \$757.50

8. 36

18. 1 : 2

9. $1\frac{7}{10}$

19. \$480

10. $10\frac{13}{24}$

20. 180 km/hr