

Sample Questions – Math Prescreening Assessment

Before the course begins, your reading and/or math skills will be assessed. The purpose of this assessment is to be sure you have the basic skills required to perform successfully in the course. These sample questions will show you the kinds of questions to expect in the actual prescreening assessment. It is not important for you to know the content of these questions before you take the course. We don't expect you to know about raising body temperature or a particular bus schedule, for example, before the course. We do want to know how well you can understand numerical information and compute.

You will find a range of math tasks here. There are basic operations of addition, subtraction, multiplication and division with whole numbers, decimals and fractions. You will compute time, length, and prices, and use percentages. You will get numerical information from charts and tables and descriptive statements. This sample includes items that are about the same level of difficulty as the actual prescreening assessment. If you are comfortable with this sample, you should feel comfortable with the actual assessment. You'll find answers to these sample questions at the end.

1. Subtract $\begin{array}{r} .25 \\ - .08 \\ \hline \end{array}$

- a) 17
- b) 1.7
- c) .17
- d) .017

4, Divide: $26 \overline{)6248}$

- a) 24 R8
- b) 240 R8
- c) 241 R8
- d) 24 R3

2. Subtract: $\begin{array}{r} 2007 \\ - 1865 \\ \hline \end{array}$

- a) 273
- b) 173
- c) 142
- d) 242

5. Add: $\begin{array}{r} .\dot{1} \\ 2 \\ + \dots \frac{2}{3} \\ \hline \end{array}$

Reduce to lowest terms

- a) $1\frac{1}{6}$
- b) $\frac{3}{6}$
- c) $\frac{3}{5}$
- d) $\frac{4}{3}$

3. Multiply: $\begin{array}{r} 3.4 \\ \times .26 \\ \hline \end{array}$

- a) 88.4
- b) 8.84
- c) .884
- d) 884

6. Subtract:

$$\begin{array}{r} \dots \frac{2}{3} \\ - \dots \frac{2}{5} \\ \hline \end{array}$$

Reduce to lowest terms

- a) $1\frac{1}{15}$
- b) $\frac{0}{2}$
- c) $\frac{6}{10}$
- d) $\frac{4}{15}$

7. Multiply: $\frac{3}{4} \times \frac{2}{3}$

Reduce to lowest terms

- a) $\frac{1}{2}$
- b) $\frac{8}{9}$
- c) $\frac{6}{7}$
- d) $\frac{5}{12}$

Directions: Refer to the calendar to answer the next question.

◀ Sep 2010							Oct 2010 ▶						
S	M	T	W	Th	F	S	S	M	T	W	Th	F	S
29	30	31	1	2	3	4	26	27	28	29	30	1	2
5	6	7	8	9	10	11	3	4	5	6	7	8	9
12	13	14	15	16	17	18	10	11	12	13	14	15	16
19	20	21	22	23	24	25	17	18	19	20	21	22	23
26	27	28	29	30	1	2	24	25	26	27	28	29	30
3	4	5	6	7	8	9	31	1	2	3	4	5	6

8. A patient is to return for treatment every 3 weeks. The patient's most recent treatment was September 28. When should the next treatment be scheduled?

- a) September 7
- b) October 5
- c) October 12
- d) October 19

Directions: Refer to the table to answer the next two questions.

Log of Vital Signs			
Time	Pulse	Blood Pressure	Temperature
8 PM	39		91
9 PM	40		92
10 PM	42	100/60	94
11 PM	47	110/65	97
12 AM	56	110/65	98
1 AM	58	112/65	98
2 AM	58	110/65	98

9. What time is the first record of blood pressure?

- a) 8 PM
- b) 10 PM
- c) 1 AM
- d) 2 AM

10. How many hours did it take for the temperature to rise from 92 to 98?

- a) 3
- b) 4
- c) 5
- d) 6

Directions: Refer to the clock to answer the next two questions:



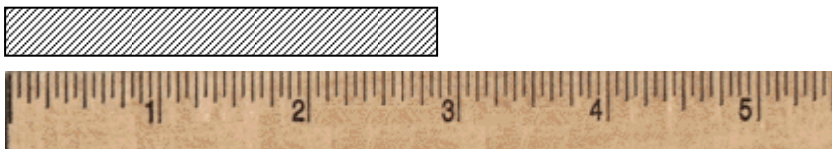
11. The clinic closes at 12:00. How long until the clinic closes?

- a) 2 hours 10 minutes
- b) 1 hour 50 minutes
- c) 1 hour 25 minutes
- d) 10 hours 10 minutes

12. What time will it be in 3 hours 40 minutes?

- a) 1:50
- b) 5:20
- c) 5:30
- d) 1:55

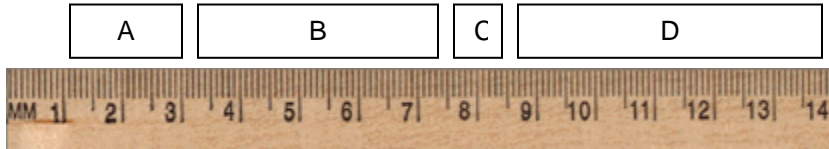
Directions: Use the ruler to answer the next question.



13. About how long is the shaded rectangle?

- a) $2 \frac{7}{8}$ inches
- b) $5 \frac{1}{2}$ inches
- c) $2 \frac{3}{16}$ inches
- d) $3 \frac{1}{8}$ inches

Directions: Use the ruler to answer the next question.



14. About how long is box A?

- a) 3.0 cm
 - b) 1.9 cm
 - c) 0.3 cm
 - d) 1.2 cm
-

15. Susanna went to the farmers market with a twenty dollar bill. She spent \$8.25 on strawberries. How much money does she have left?

- a) \$8.75
- b) \$11.75
- c) \$12.25
- d) \$12.75

16. You get a loan with a monthly payment of \$218 for 36 months. What is the total amount you will pay?

- a) \$6,050
- b) \$6,184
- c) \$7,758
- d) \$7,848

17. A patient's chart shows that last visit she weighed 164 lbs. Today she weighs 148 lbs. How much weight did she lose between visits?

- a) 24 lbs.
- b) 32 lbs
- c) 16 lbs.
- d) 26 lbs.

Directions: Look at the three ads for jeans to answer the next two questions.



18. How much is the current price of jeans at Men's Duds by Bubba ("1/4 off")?

- a) \$29.75
- b) \$29.25
- c) \$31.75
- d) \$10.25

19. How much do you save by buying the jeans from K. D. Nickel's?

- a) \$3.00
- b) \$13.00
- c) \$26.00
- d) \$33.00

Directions: Read the sign to answer the next question.

Hourly Truck Rental Terms
Hourly rental rate is \$12, plus \$0.13 per mile.

20. John rented a truck to move some furniture. He picked up the truck at 9:30 AM and returned it at 1:00 PM. He drove a total of 16 miles. How much was he charged for time and mileage?

- a) \$67.88
- b) \$44.08
- c) \$48.00
- d) \$41.18

Directions: Refer to the bus schedule to answer the next two questions.

BUS SCHEDULE	
OAKLAND TO FRESNO	
Leave Oakland	Arrive Fresno
6:30 a.m.	11:25 a.m.
10:25 a.m.	2:35 p.m.
3:10 p.m.	7:40 p.m.
4:10 p.m.	10:05 p.m.
6:35 p.m.	10:50 p.m.
9:15 p.m.	2:25 a.m.

21. How long does the 10:25 a.m. bus take to reach Fresno?

- a) 3 hours 10 minutes
- b) 3 hours 50 minutes
- c) 4 hours 10 minutes
- d) 4 hours 50 minutes

22. Which of these busses takes the least time to get from Oakland to Fresno?

- a) 6:30 a.m.
- b) 10:25 a.m.
- c) 3:10 p.m.
- d) 6:35 p.m.

Answers:

1. c)
2. c)
3. c)
4. b)
5. a)
6. d)
7. a)
8. d)
9. b)
10. a)
11. b)
12. a)
13. a)
14. b)
15. b)
16. d)
17. c)
18. b)
19. b)
20. b)
21. c)
22. b)